



सत्यमेव जयते



GIDM

A state-of-the-art premier institute for
Capacity Development in Disaster Management



Content

- Establishment & Governance
- Functions
- Activities and Major Initiatives
 - Training & Capacity Building
 - Applied Research & Documentation
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 - Consultancy/ Sustainability
 - Strategic Partnerships
- Other Initiatives



Tree Plantation in GIDM Campus



Establishment & Governance



Establishment

- Gujarat State Disaster Management Act, 2003 mandates establishment of an Institute of Disaster Management in the State
- Natural Disaster Management (NDM) cell was operating at Sardar Patel Institute of Public Administration (SPIPA) since 1996 - Transferred to GSDMA from 1 April 2004 and subsequently, renamed as Gujarat Institute of Disaster Management (GIDM) in December 2005
- From August 2012, GIDM started functioning from New Campus



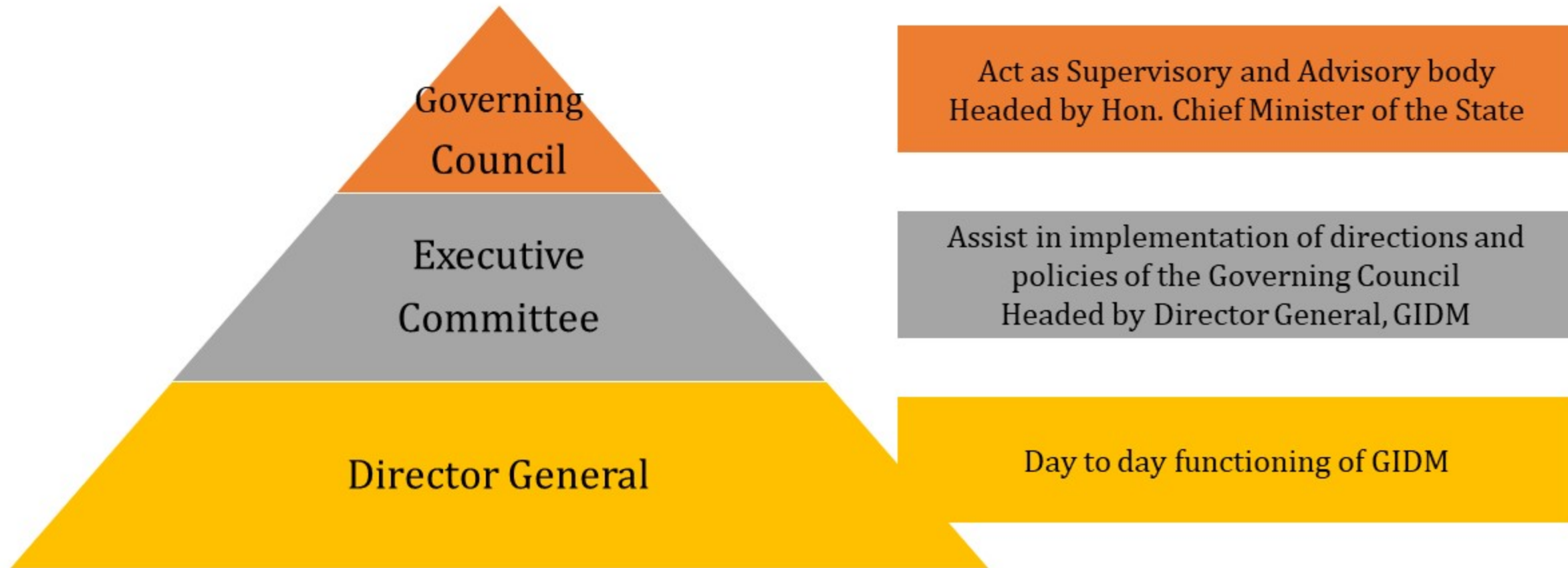
Foundation & Roadmap

- A Report by International Centre for Emergency Techniques (ICET), Netherlands in May 2005 suggesting:
 - Objectives, Scope and Activities of GIDM
 - Academic, Operational, Training and Research Activities
 - Organizational Structure, Training Modules, Staffing Pattern and Qualification, Financing of the Activities
- Dr. Rajib Shaw, Professor Kyoto University, Japan prepared a Roadmap of GIDM in March 2012 envisaging;
 - Training Modules, Research Areas
 - Consultancy Services & Personnel Requirement including Academic and Research Staff



Organizational Structure

- Registered as an Autonomous Society since July 2012 under the Societies Registration Act, 1860 and the Bombay Public Trust Act, 1950.





Members of the Governing Council

Sr. No	Designation	Status in the Society
1	Hon'ble Chief Minister, Gujarat	Chairperson
2	Hon'ble Minister For Disaster Management	Vice Chairperson
3	The Chief Secretary to Government of Gujarat	Member
4	Director General of GIDM	Member Secretary
5	Commissioner of Relief, Revenue Department	Member
6	Principal Secretary, Education Department	Member
7	Principal Secretary, UD & UHD Department	Member
8	Secretary, R&B Department	Member
9	Adl. CEO/CEO, GSDMA	Member
10	Director General of Police	Member
11	Director General of ISR	Member

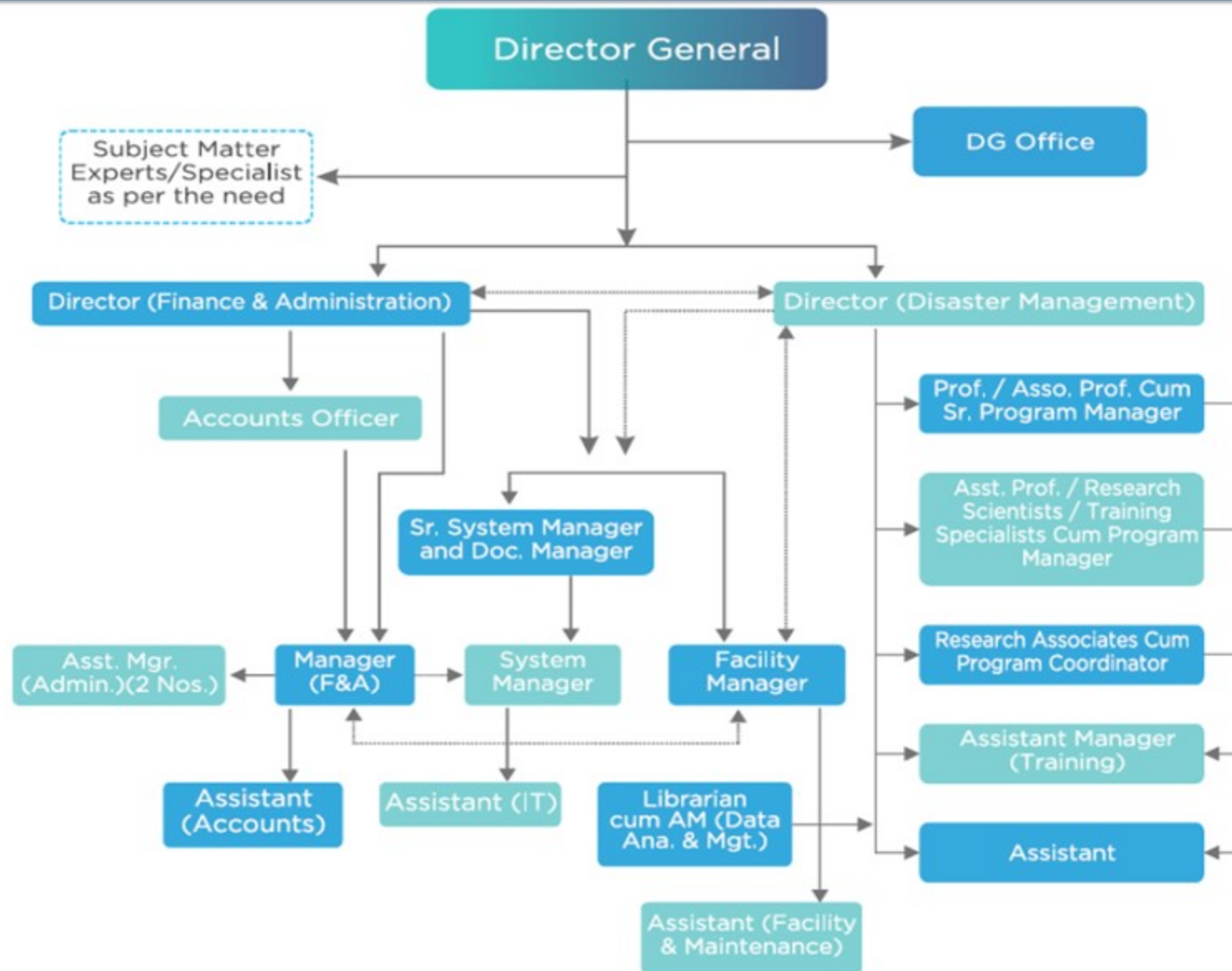


Members of the Executive Committee

Sr. No	Name	Designation
1	Director General, GIDM	Chairperson
2	CEO/ACEO, GSDMA	Member
3	Representative From Revenue Department	Member
4	Representative From Finance Department	Member
5	Development Commissioner	Member
6	Director General, ISR	Member
7	Director Administrator, GIDM	Member Secretary



Organogram





Functions



Vision & Mission

Vision

To establish GIDM as a state-of-the-art premier institute for training, education and research related to disaster management. GIDM will focus on enriching the capacities- in specific areas of prevention, mitigation, preparedness, relief, recovery, rehabilitation, reconstruction and sustainable development- of officials and other functionaries of the State and District administration, autonomous institutions and non-governmental organizations.

Mission

Make available to all stakeholders the **knowledge and skills** required to develop their individual competencies, gain appropriate understanding and accomplish appropriate disaster management tasks, while establishing and strengthening overall disaster management **institutional capacities** at the national, state and local levels.



Important Functions

- To serve as the **apex institute** in the State for Disaster Management Capacity Building.
- To provide disaster management related training to all the stakeholders.
- To assess the training needs of different government departments, offices, boards, corporations, local bodies and non-government organizations and others who may consent to be associated with it.
- To act as a **resource centre and clearing house of information on disaster management by documentation of field experiences** including case studies, lessons learnt and best practices.



Important Functions (Cont.)

- To undertake quality research projects on Disaster Management and mitigation covering both natural and human induced disasters.
- To facilitate partnership with reputed national and international organizations, universities, institutions, bodies and individuals specialized in Disaster Management.
- To run and award degree/diploma/certificate courses on Disaster Management on its own or with the affiliation to any other institute/universities, local/ national/ international.



Activities and Major Initiatives



Core Activities



TRAINING &
CAPACITY BUILDING



APPLIED
RESEARCH



ACADEMIC
PROGRAMMES



DOCUMENTATION



CONSULTANCY



PARTNERSHIP



Training & Capacity Development



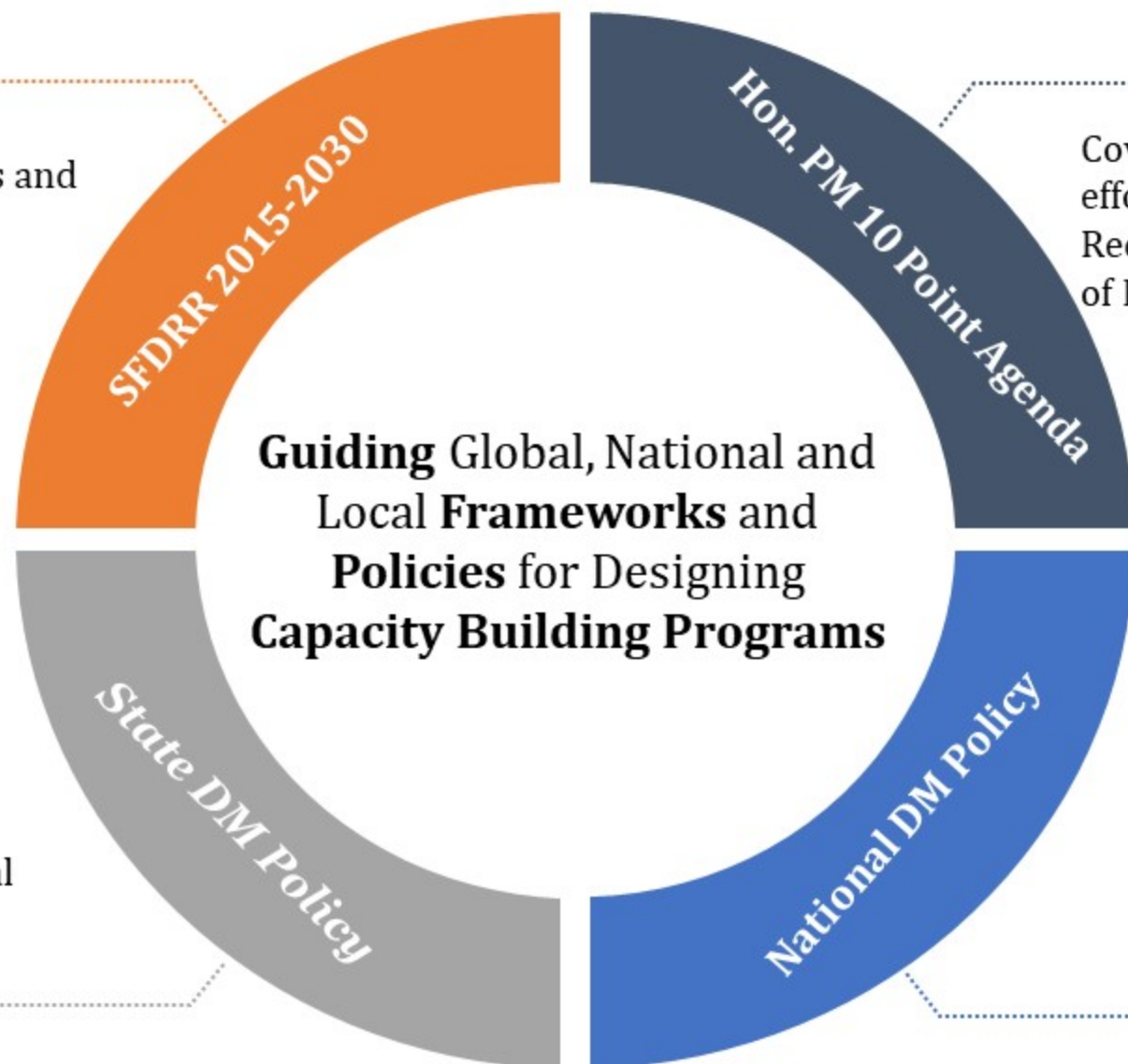
Paradigm Shift: Managing Disasters to Managing Risks



**Sustainable
Development Goals**

Inline with the Priorities and
Targets

Empowerment of Local
Authorities and
Communities



Hon. PM 10 Point Agenda

Covers the 10-Point Agenda for
efforts towards Disaster Risk
Reduction addressed by Hon. PM
of India during AMCDRR 2016

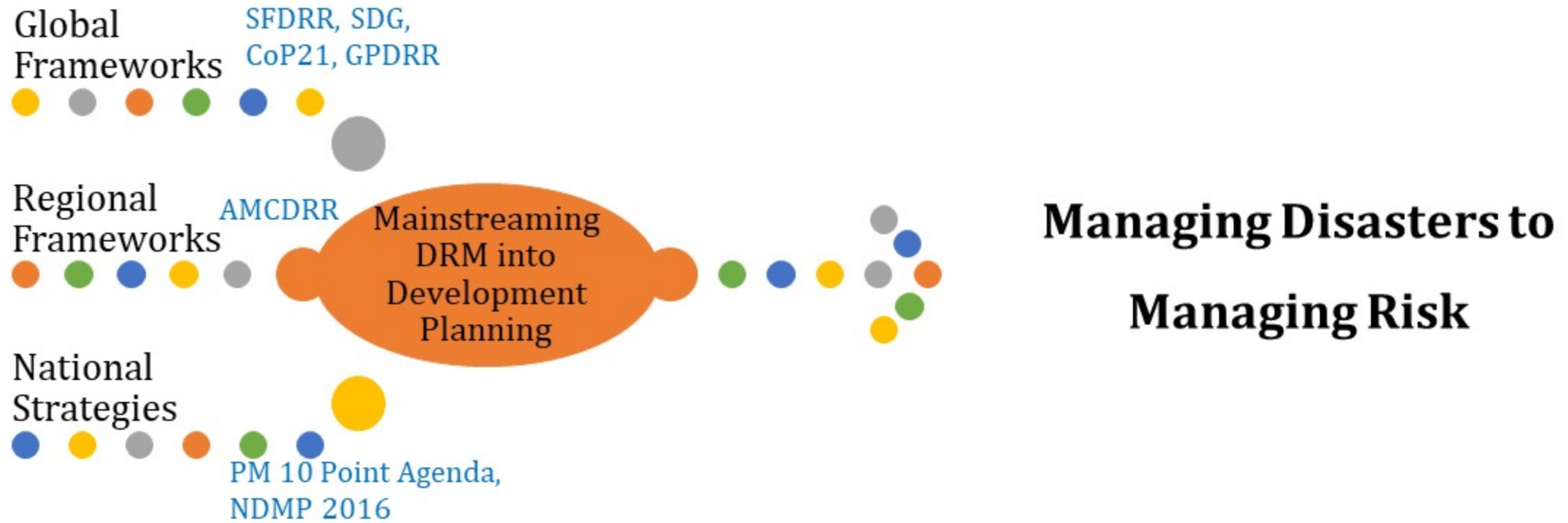


PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21•CMP11

Coherence of National
Policies and Plans in
Capacity Building



Paradigm Shift: Managing Disasters to Managing Risks



Disasters are not Natural

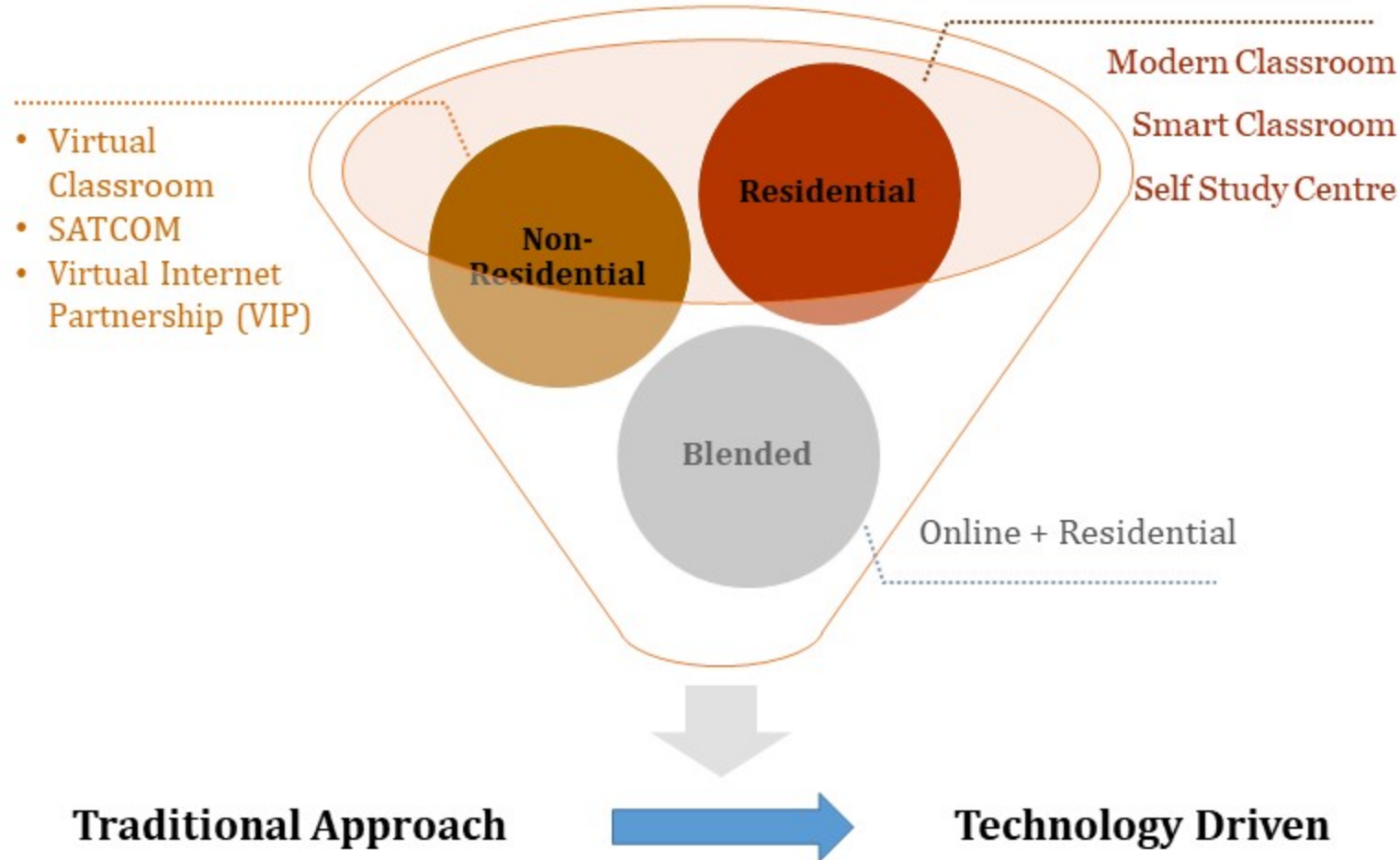
Risk is Everyone's Business

Need for **all-of-society** and **all-of-State** institutions engagement
to **Prevent New Risk, Reduce Existing Risk** and **Manage Residual Risk**.



Paradigm Shift in Capacity Development by GIDM

Types of Training Programs



Building on Local Capacity and Initiative



SFDRR signals a clear mandate to the use of science, technology, and innovation for sharing of knowledge and improve the resilience of communities

Technology and innovation are central to the implementation of the **Sustainable Development Goals (SDGs)**

Hon. PM of India - 10 Point Agenda
“Leverage Technology to enhance the efficiency of Disaster Risk Management efforts”

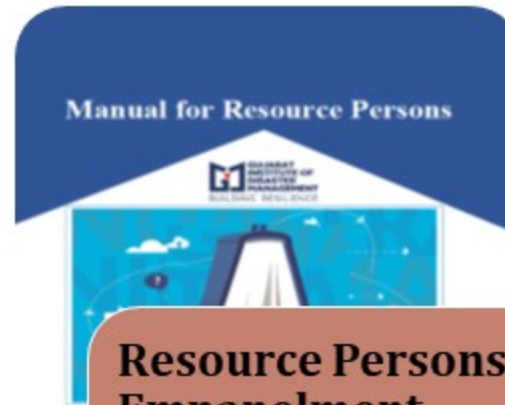
Paradigm Shift in Capacity Building

Approaches toward Quality Improvement



Training Manual

- Provides comprehensive set of guidelines to all the Program Managers for conduction of trainings at the desired standards



Resource Persons Empanelment

- Provides comprehensive set of guidelines to the Resource Persons.
- Database of 250 Resource Persons have been created.



Program Development and Review Teams (PDRTs)

- Aims to enhance quality of the program and get the updated information about the Topics, Targets and the Training Needs

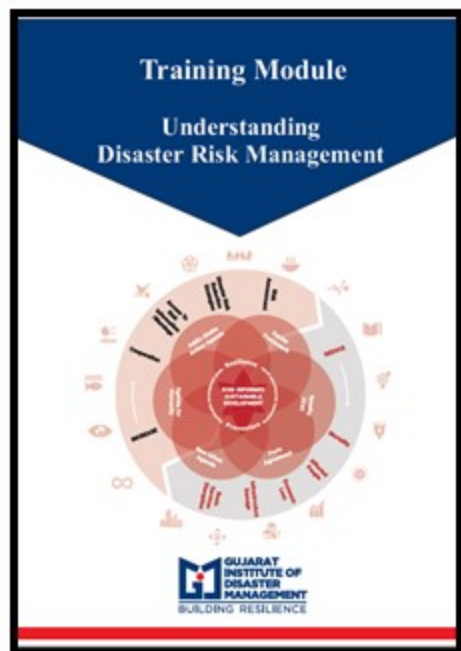
Quantity focus



Quality Excellence in Capacity Building



Development of Training Modules (TMs)

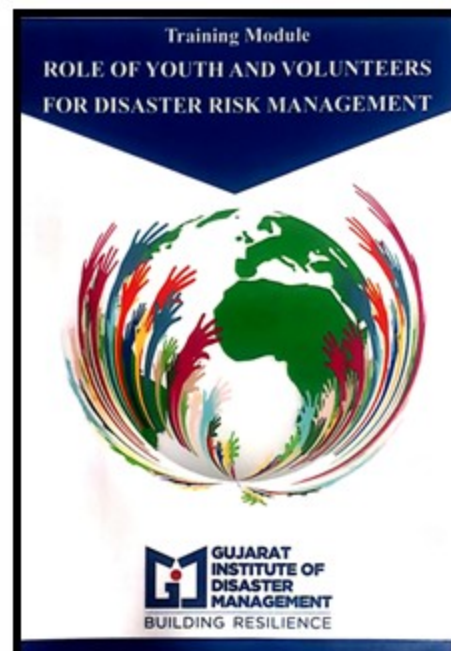


Understanding
Disaster Risk
Management



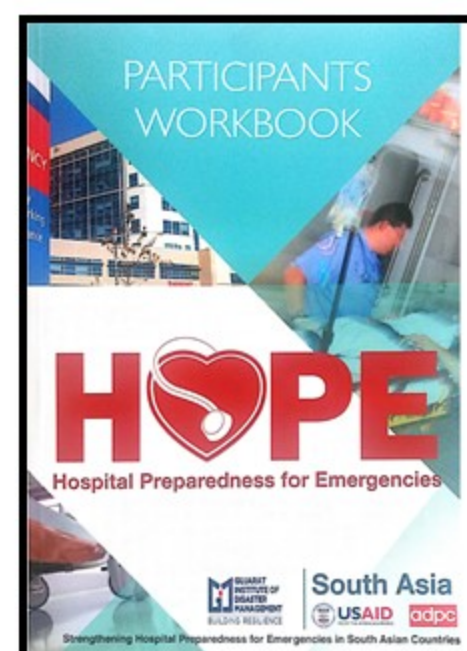
Urban Risk
Reduction &
Resilience

(with UNDRR & GETI)



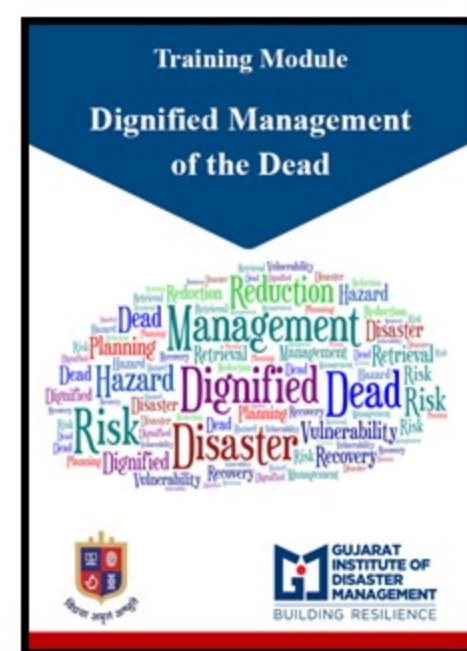
Role of Youth &
Volunteers for
DRM

(with NCC & NSS)



Hospital
Preparedness for
Emergencies

(with ADPC)



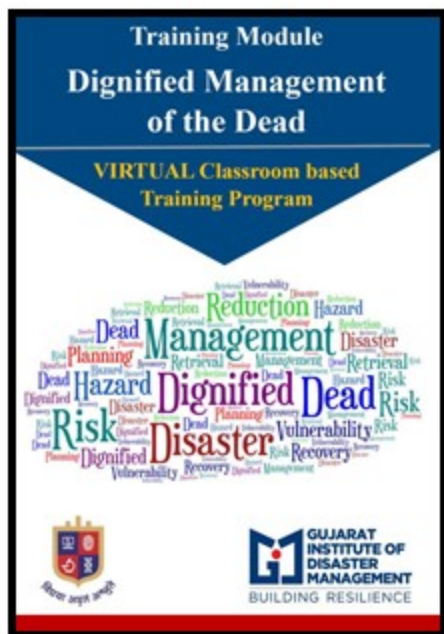
Dignified
Management of
the Dead

(with GFSU)

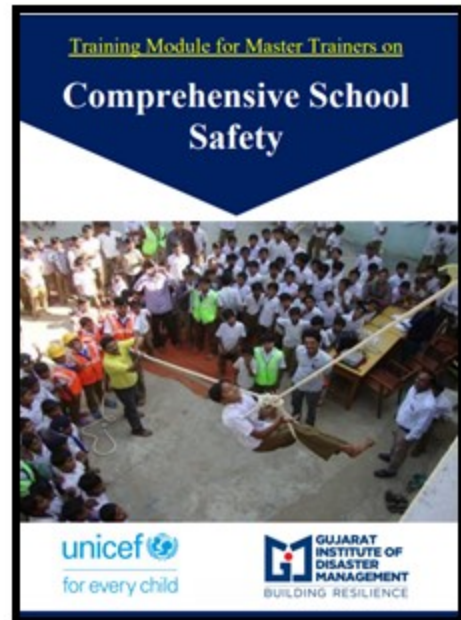
The same have been shared with all the stakeholders



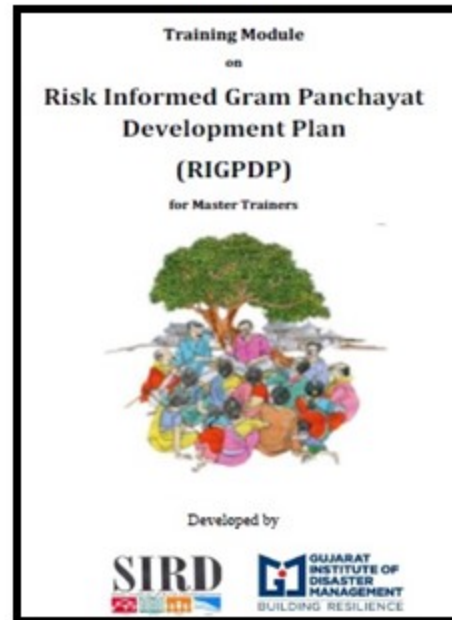
Development of Training Modules (TMs)



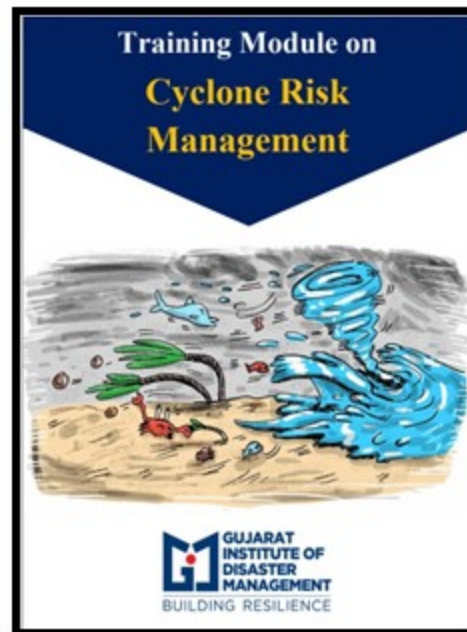
Dignified Management of the Dead (for Virtual Classroom)
(with GFSU)



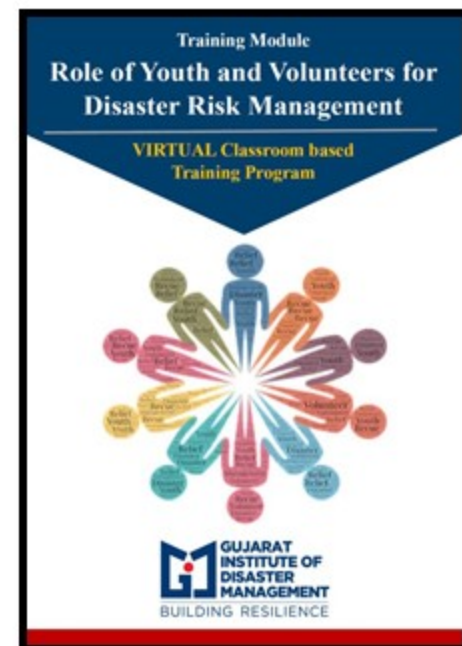
Comprehensive School Safety (For Master Trainers)
(with UNICEF)



Risk Informed Gram panchayat Development Plan (RIGPDP)
(with SIRD)



Cyclone Risk Management



Role of Youth & Volunteers for Disaster Risk Management (for Virtual Classroom)
(with NCC & NSS)

The same have been shared with all the stakeholders



Modules (in Gujarati)

તાલીમ કાર્યક્રમ પુસ્તિકા

પશુધન માટે આપત્તિ જોખમ વ્યવસ્થાપન



તાલીમ મોડ્યુલ

આપત્તિ જોખમ વ્યવસ્થાપનની પ્રાથમિક સમજ



તાલીમ કાર્યક્રમ પુસ્તિકા

મૃતદેહોનું ગરિમાપૂર્ણ વ્યવસ્થાપન

મહત્વ મૃતદેહો
જાળવણી વિહંગાવલોકન
પુનઃપ્રાપ્તિ મુસીબતો પદ્ધતિ
ઓળખ સંગ્રહ શરીર ક્ષમતા
આપત્તિ મૃત સંકલન અભિગમ
ગરિમાપૂર્ણ જોખમ દુર્ઘટના
તાલીમ ઉદ્દેશ્ય



Training Programs: 2019 - 2020

Total Programs organised – 82

1. Residential - 49
2. Virtual Classroom - 14
3. SATCOM - 17
4. Combo - 02

(Online + Residential)

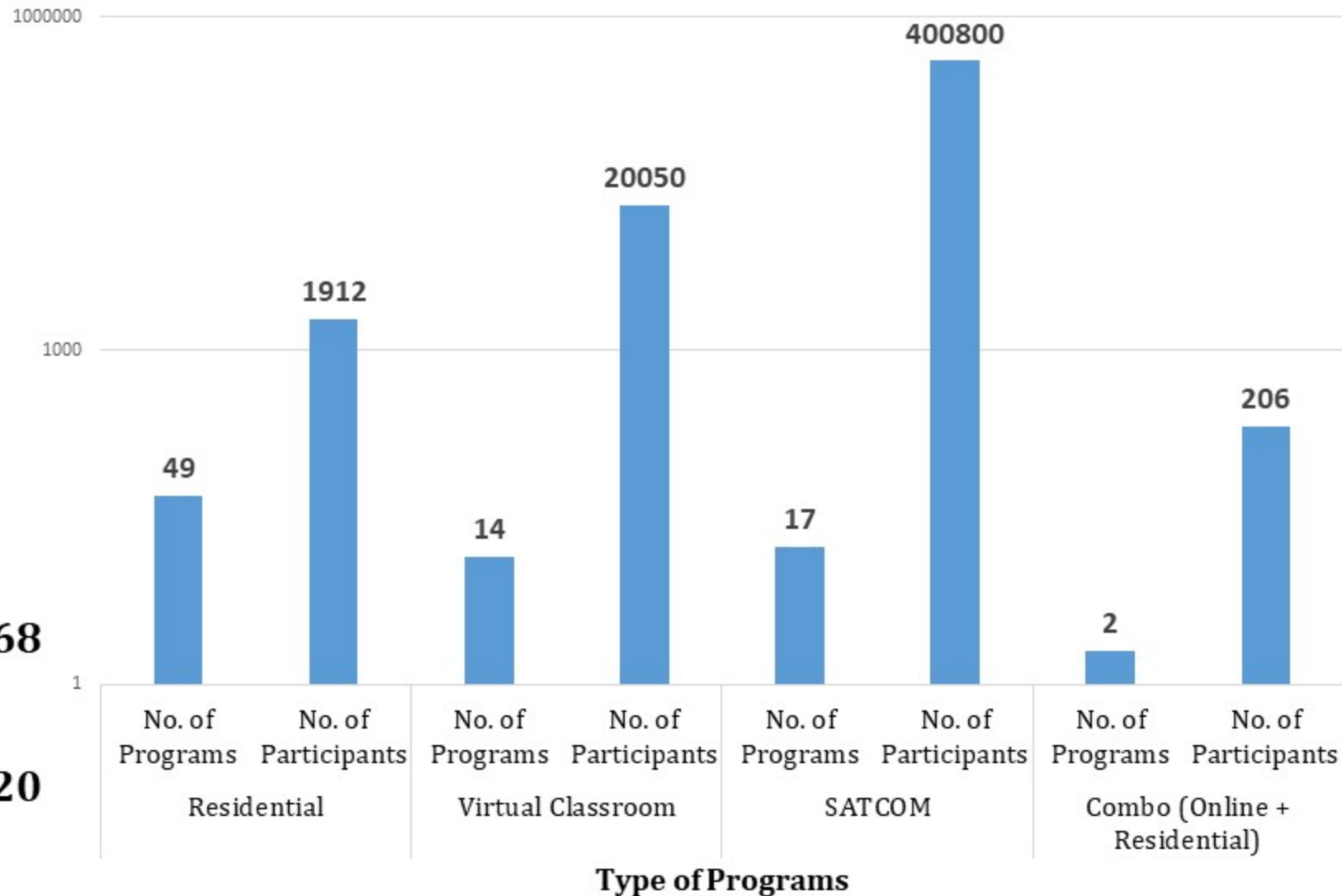
No. of Training Days: 141.5

No. of Participants

Trained/ Oriented: 4,22,968

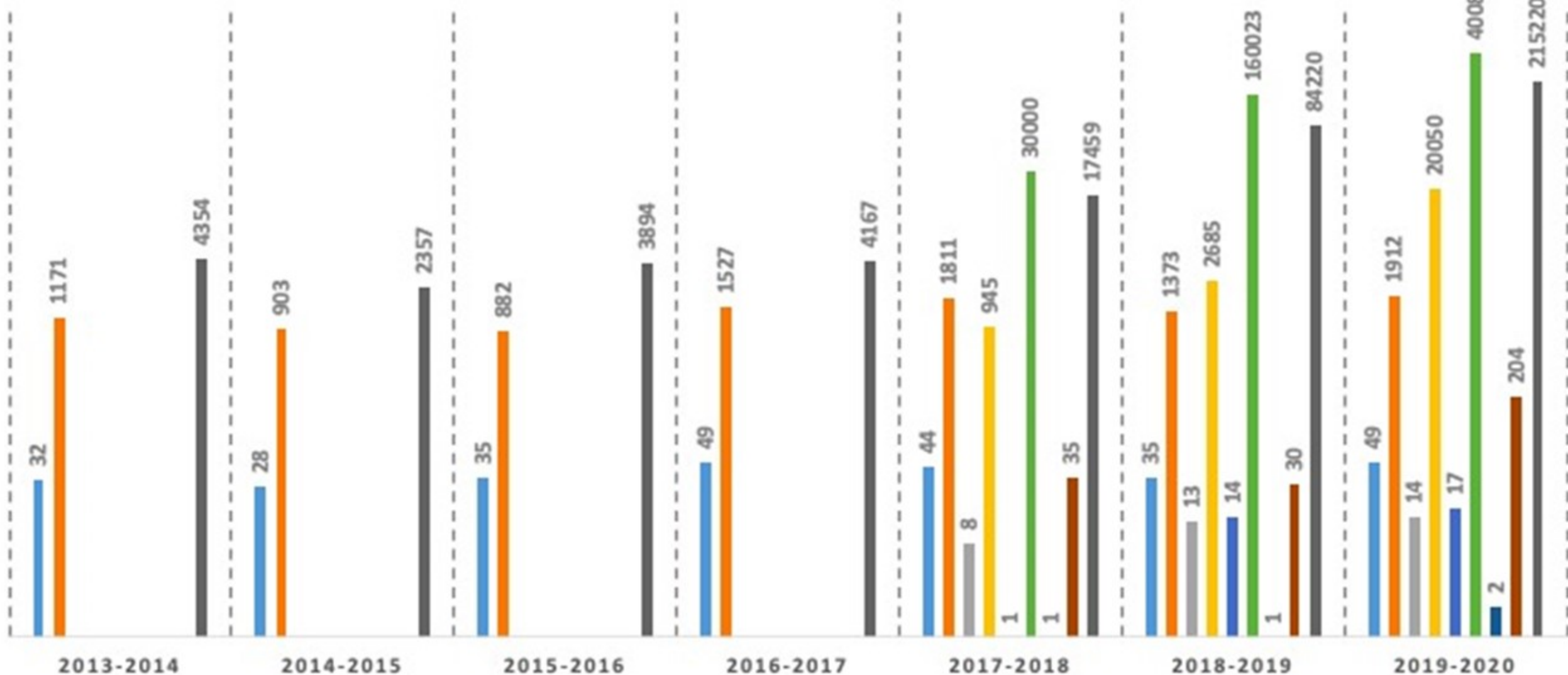
No. of Training Person Days: 2,15,220

Training Program Details For FY 2019-20



GIDM TRAINING PROGRAMS GROWTH

- Residential Programs (RP)
- No. of Participants (RP)
- Virtual Classroom Programs (VCP)
- No. of Participants (VCP)
- Combo Programs (VCP + RP)
- No. of Participants (Combo)
- No. of Training Person Days
- SATCOM Programs (SP)
- No. of Participants (SP)





Training & Capacity Development



Joint program organised by GIDM & IIPA, GoI for State Government Officials



Joint program organised by GIDM, UNDRR & GoI for BIMSTEC Member Countries





Applied Research & Documentation



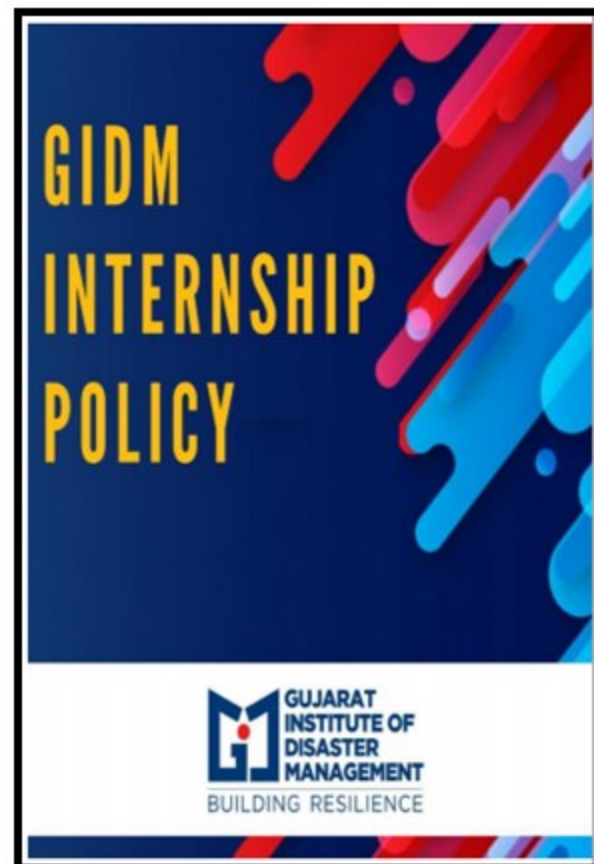
Research & Documentation

Promote Innovation and Research and ensure Access to Technology and Information on DRR - *SFDRR*

Ensuring the opportunity to learn from a Disaster – *10 Point Agenda*

Develop, Share and Disseminate Knowledge - DM Policy 2002

- **Case Study/ Documentation** on Gujarat Floods 2017 in Collaboration with National Disaster Management Authority (NDMA), New Delhi.
- Prepared an **Off-site Industrial (Chemical) Disaster Management Plan** for Vatva GIDC in collaboration with NGO involving communities living around the Industrial Estate.
- Development of Handbook on Risk informed Urban Planning for BIMSTEC Countries
- Report on frequency of cyclones affecting Gujarat State
- **Internships – Internship Policy** - to Promote Research and Field Based Projects
 - Xavier Institute of Social Science (XISS), Ranchi
 - Indian Institute of Technology (IIT), Roorkee
 - Tata Institute of Social Sciences (TISS), Mumbai
 - Indian Institute of Public Health (IIPH), Gandhinagar





Research & Documentation

Gujarat Flood 2017 A Case Study

Prepared by



National Disaster Management Authority

and



Gujarat Institute of Disaster Management



Handbook on RISK INFORMED URBAN PLANNING FOR BIMSTEC MEMBER COUNTRIES

An outcome document of the
Training Workshop on Risk Informed Urban
Planning for BIMSTEC Member Countries
(17 – 20 December, 2020)

A Report on Frequency of Cyclones affecting Gujarat State & Role of Mangroves and Shelterbelt in Cyclone Risk Mitigation

Compiled by-

Ankur Srivastava

Research Associate cum Program Coordinator, GIDM





Academic Programs



Academic Programs

Promote cooperation between Academic, Scientific and Research Entities to help in DRR – *SFDRR*

Develop a Network of Universities to work on Disaster Issues – *10 Point Agenda*

Encourage the Develop DM as a distinct academic discipline, in the Universities and Institutes of Technical Excellence – *National DM Policy 2009*

- Developing **E- Courses on Disaster Risk Management**
- **Features**
 - Available in Gujarati & English
 - Collaboration with Universities (i.e. Gujarat University, CHARUSAT, PDP, RSU, SFSU, etc.) for Certification
 - Case Study based education for practical understanding
 - Approval from SWAYAM to launch the course on its platform



**BASICS OF
DISASTER RISK MANAGEMENT**

OBJECTIVES AND BENEFITS
The basic course on Disaster Risk Management by Gujarat Institute of Disaster Management in collaboration with Gujarat University and IIT Gandhinagar is an exciting and informative precursor programme. Participants get introduced to the theme of disaster risk management and its importance. The course based on tacit knowledge and practical wisdom gained from experience.

PARTICIPANTS
The course invites participants from various domains and backgrounds and is open to all sections of society.

COURSE STRUCTURE
A three-hour online course spread over a week, that is divided into six units.
1. Understanding disasters
2. Knowing stakeholders
3. Before disasters
4. During disasters
5. After disasters
Reading materials will be based on learning from the ground. All materials will be available online.

DURATION
3 hours
1 week

REGISTRATION FOR THE COURSE IS OPEN
Please contact: Asst. Manager (Training) GIDM, Ph: 079 23373668 Email: admn@gidm.org, gidm@gidm.org



Academic Programs

1. 3- Hours Online Course

- To be launched by June 20, 2020
- Available freely for all

2. 2-Credit Course (30 hours/One Semester)

- For all the College Students from Upcoming Semester
- Shall be available on SWAYAM Platform

3. 3 - Credit / Certificate Course (45 hours/ Six Months)

- Certificate to be issued in collaboration with University

Gujarat Institute of Disaster Management in collaboration with Gujarat University and SEEDS Learning Academy launches

**ONLINE CERTIFICATE COURSE ON
DISASTER RISK MANAGEMENT**

Get a practice based, information packed course based on experiential knowledge

 Duration 42 credit hours spread over 06 months	 Online reading	 Interactive & engaging tutorials	 Discussion groups	 Query responses
 Live hands-on workshop for three days				

For further information and enrolment, click on: gidm.gujarat.gov.in



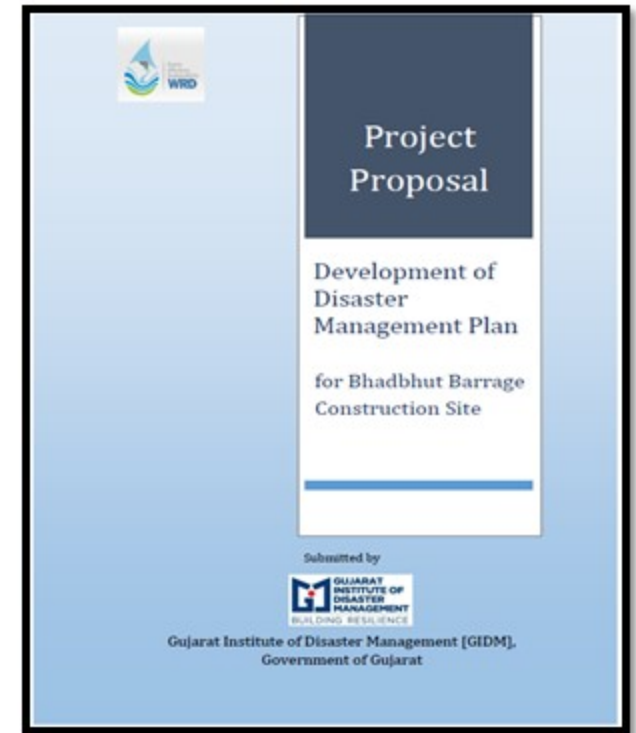
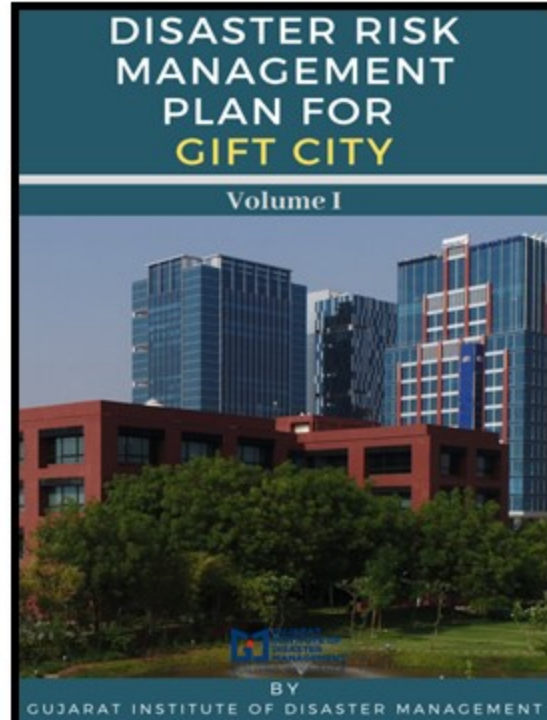


Consultancy



Consultancy

1. Development of Disaster Management Plan for GIFT City
2. Development of Construction Site Safety Manual for Bhadbhut Barrage Construction Project of Kalpsar Dept.
3. Development of Disaster Management Plan for Bhadbhut Barrage
4. Development & Pilot Implementation of Gujarat State Heat Action Plan (with Climate Change Department)





Strategic Partnership



Strategic Partnerships

- An effective and meaningful Partnerships are essential for effective Disaster Risk Management – **SFDRR**
- A holistic and integrated approach to be evolved towards Disaster Management with emphasis on building Strategic Partnerships – **National DM Policy 2009**
- Establish coordination mechanisms and augment capacity of all the stakeholders
– **State DM Policy 2002**



International Partners



National & State Partners



Government of India
National Remote Sensing Centre
Indian Space Research Organisation
ISO 9001:2015





Other Initiatives



Branding



The Logo



“The logo resembles an open book, symbolizing education, training and knowledge. The alphabet ‘I’ has been personified as an awakened mind. The font arrangement connotes the robustness of the institute and the colour blue symbolises intelligence, trust and confidence. The Colour red stands for passion and energy”



Technology, Modernizations & Transparency

GIDM New Web Portal

- Developed incorporating modern Technology and updated information



Online Approval Management System(AMS)

- To carry out **paperless, speedy** and **transparent** administrative procedures/ approvals.
- This **E-Governance / M- Governance** initiative enables GIDM staff to access it on mobile/ computer and approve any proposal at any time.



Environment Protection

Tree Plantation

- 7000 plants have been planted in and around GIDM in last three months.
- Lawn area in GIDM Campus is developed
- Additional 1500 trees in around GIDM campus are to be planted.
- Swachhata Abhiyan
- Energy Audit and Activation of Solar Plant at GIDM
- Recycling Organic Waste through Vermicomposting
- 5S
- Kaizen Approach





Initiatives in SAARC Disaster Management Centre (IU)



SDMC (IU)

- Set up in October 2006 at National Institute of Disaster Management (NIDM) premises, New Delhi, India.
- In **November 2016, expanded the role** by merging the other erstwhile Regional Centres namely, (1) SAARC Meteorological Research Centre (SMRC Dhaka, Bangladesh); (2) SAARC Forestry Centre (SFC Thimphu, Bhutan); and (3) SAARC Coastal Zone Management Centre (SCZMC Male, Maldives) with (4) SAARC Disaster Management Centre (SDMC).
- Now, Operational from Gujarat Institute of Disaster Management (GIDM) Premises, Gandhinagar, Gujarat, India
- Presently, being Interim Unit (IU), Funding support from Ministry of External Affairs, Government of India.





Activities At SDMC (IU)

- Organized **19 Capacity Development Programs** for Disaster Risk Management (DRM) and Disaster Risk Reduction (DRR) **since May 2017.**
- **484 Participants** from all the SAARC Member States
- **160 Experts** shared Experiences and Best Practices
- SDMC (IU) New Web Portal





Other Initiatives

1. Implementation of STORM Project
2. Development of Regional response Mechanism (RRM)
3. Newsletters of SDMC (IU)
4. Development of DRR Report for SAARC Region
5. Development of Dedicated COVID-19 Portal for SAARC Countries





Publications



The Disaster Riskscape Across South Asia

KEY TAKEAWAYS FOR STAKEHOLDERS

Asia-Pacific Disaster Report 2019

PATHWAYS FOR RESILIENCE, INCLUSION AND EMPOWERMENT



POLICY BRIEF

RESEARCH PROGRAM ON Water, Land and Ecosystems IWM International Water Management Institute

DECEMBER 2019 WLE BRIEFING SERIES NO. 27

Insurance as an agricultural disaster risk management tool: Evidence and lessons learned from South Asia

Dr. Girish Amarnath, Research Group Leader – Water Risks and Disaster-IWM, Dr. Surajit Ghosh, Regional Researcher – Water Risks and Data Sciences – IWM, Mr. Niranga Alahacoon, Remote Sensing /GIS Analyst-IWM, Dr. Shishir Kumar Rayan, Senior Programme Officer and Head Beijing Office, United Nations Office for Outer Space Affairs (UNOOSA), Mr. P.K. Taneja, Director and Mr. Nisarg Dave SAARC Disaster Management Centre (IU), India, Dr. Sanjay K. Srivastava, Chief, Disaster Risk Reduction, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

OVERVIEW

Pilot projects in India and Bangladesh demonstrate that index-based weather insurance products, developed using satellite technology, can reduce the financial risks to smallholder farmers from floods and droughts. Scaling up such schemes has the potential to meet the needs of very vulnerable groups, especially women and assist governments in meeting global development goals.

CLIMATE CONTEXT

Climate change magnifies the risk and cost of disasters. The economic impact of environment-related disasters has risen from around USD \$26 billion per year in the 1980s to USD \$160 billion in 2018 (Baur and Pankar, 2018). In South Asia, climate change is already increasing the frequency and intensity of disasters, contributing to population displacement, exacerbating conflicts and affecting efforts to reduce poverty and inequality. Both sudden-onset disasters (floods) and slow-onset events (drought) have impacts on livelihoods, health and agricultural yields (Amarnath et al. 2017).

Many of the region's most vulnerable people live in vast agrarian belts within the Indus, Ganges and Brahmaputra-Meghna river basins. Variation in the annual monsoon, and natural phenomenon such as El Niño and La Niña, can cause catastrophic flood and drought events. These affect poor and vulnerable populations who depend on agriculture for livelihoods and subsistence. In 2019, torrential monsoon rains triggered



RECOMMENDATIONS

Action points by which regional organizations such as the South Asian Association for Regional Cooperation (SAARC) can strengthen disaster insurance programs:

Advise governments on 1) how best to reform policies and regulations around index-based weather insurance (e.g. financial incentives, premium subsidies), and 2) ways to develop effective and inclusive products, so that insurance can be readily incorporated into disaster risk management strategies for many different people

Strengthen microfinance institutions to boost smallholders' access to credit

Promote best practice in design and policy aspects of index-based weather insurance, including south-south learning, to promote wider



NEWS LETTER

Director's Message



CONTENT

- 01 Director's Message
- 02-04 Capacity Building Programs:
 - Coherent DRR
 - PDNA
 - Early Warning Mechanism
- 05 Celebration of SAARC Charter Day
- 06-10 Capacity Building Programs:
 - Earth Observation
 - Structural & Non-structural Risk Assessment
- 11-13 The Pandemic: Coronavirus Disease (COVID-19)
- 14 Puzzle For Readers

Contribute

Interested in getting involved and sharing your stories to SDMC(IU). Contact SDMC Team at pm-ro1@saarc-sdmc.org



Dear Readers,

It is my pleasure to present to you this fourth edition of SAARC Disaster Management Centre (IU)'s Newsletter. In such a disaster-prone region as the SAARC, sharing of knowledge and best practices amongst each other is absolutely crucial.

Since its inception in new campus, SDMC (IU) has worked closely with international, governmental and non-governmental stakeholders for capacity development towards DRR.

This edition of newsletter focuses on the capacity building initiatives taken up by SDMC (IU). Amid the Coronavirus Disease (COVID-19) the initiative taken by the SAARC Leaders anchored by Prime Minister of India on combating COVID-19 is also demonstrated. Further, a brief information on the platform developed by SDMC (IU) towards sharing knowledge and become a repository of best practices for the SAARC Region regarding COVID-19 is given. We are looking forward to your suggestions / inputs/ feedback on the same.

P K Taneja
Director

SDMC (IU) newsletter is published by South Asia Association of Regional Cooperation (SAARC) Disaster Management Centre (SDMC-IU) functioning at Gujarat Institute of Disaster Management (GIDM) Campus, Gandhinagar, Gujarat, India.

This publication is produced under the activities of SAARC Disaster Management Centre (IU) under the Financial Assistance of Ministry of External Affairs, Govt. of India

Disclaimer: The opinions expressed in this newsletter are the personal opinions of the authors. SDMC (IU) is not responsible for the accuracy, completeness, suitability, or validity of any information in this newsletter. All information is provided on an as-is basis.



Thank You

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